

DANIEL C. GRASS #1

BLUE INK TECH

OBJECTIVE

DESIGN A PIECE OF CODE TO CALCULATE HOW MANY MILES A TRUCK PER STATE BASED OFF LAT/LON COORDINATES.

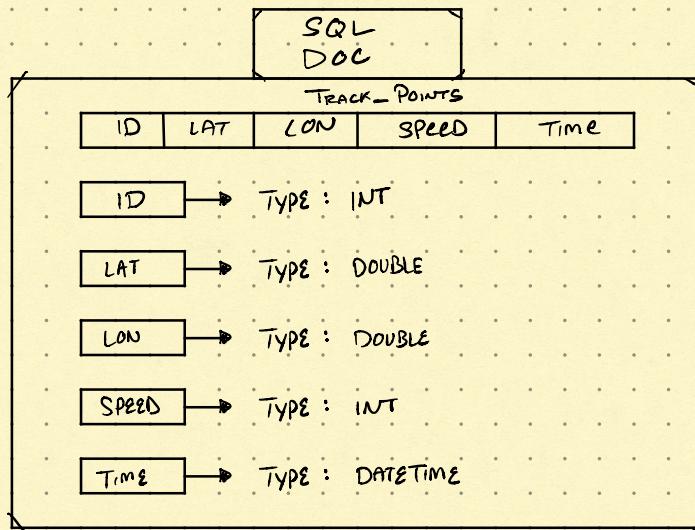
ASSETS

SQL Document : 5000+ LAT/LON POINTS

SOLUTION

STEP 1

CREATE A DATA BASE → IMPORT SQL DOC

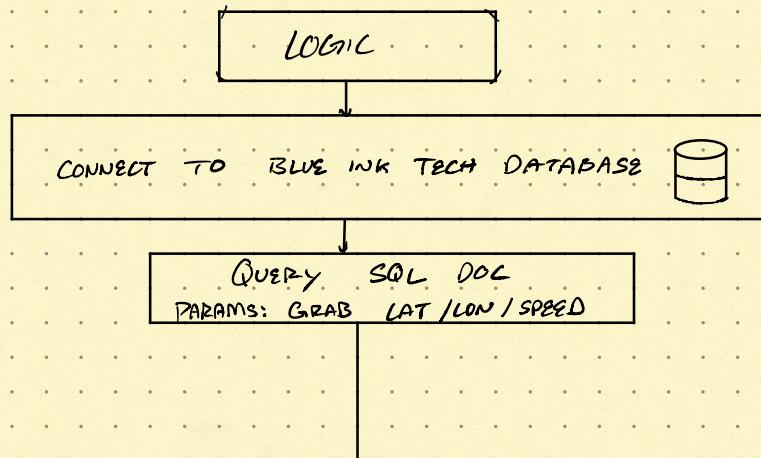


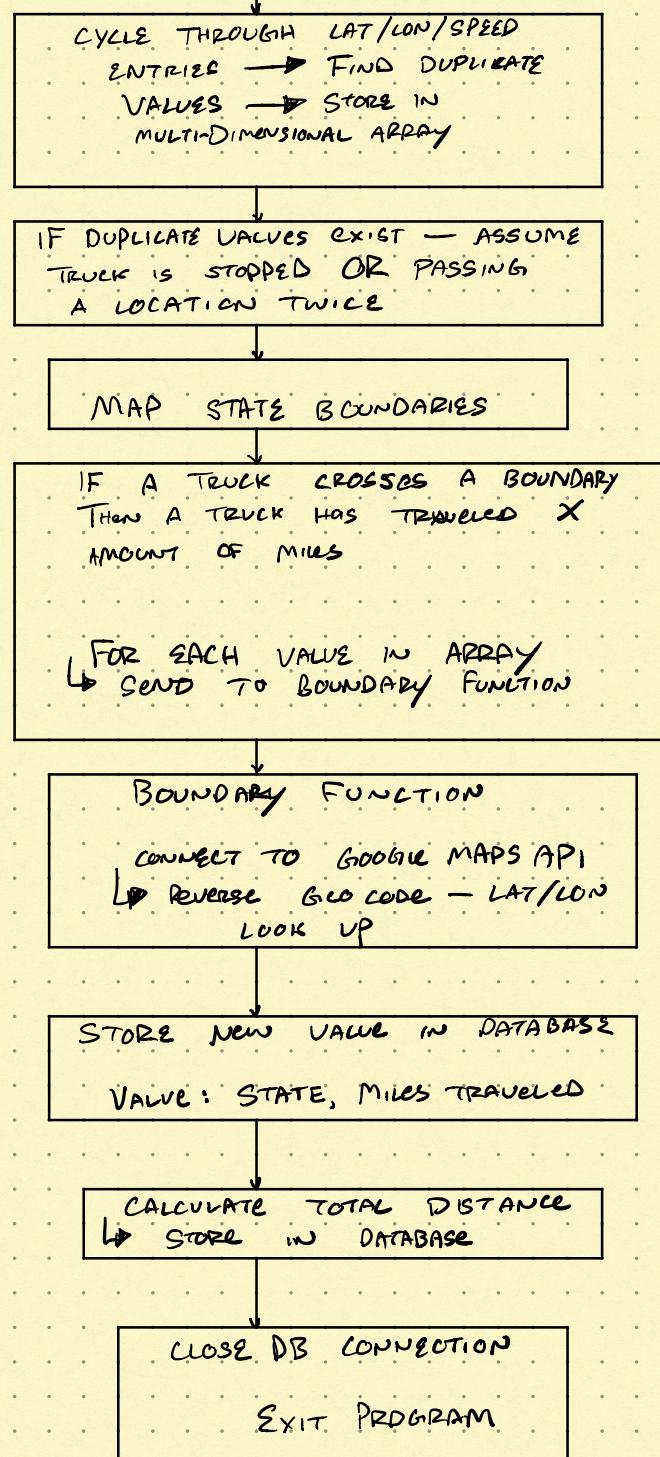
STEP 2

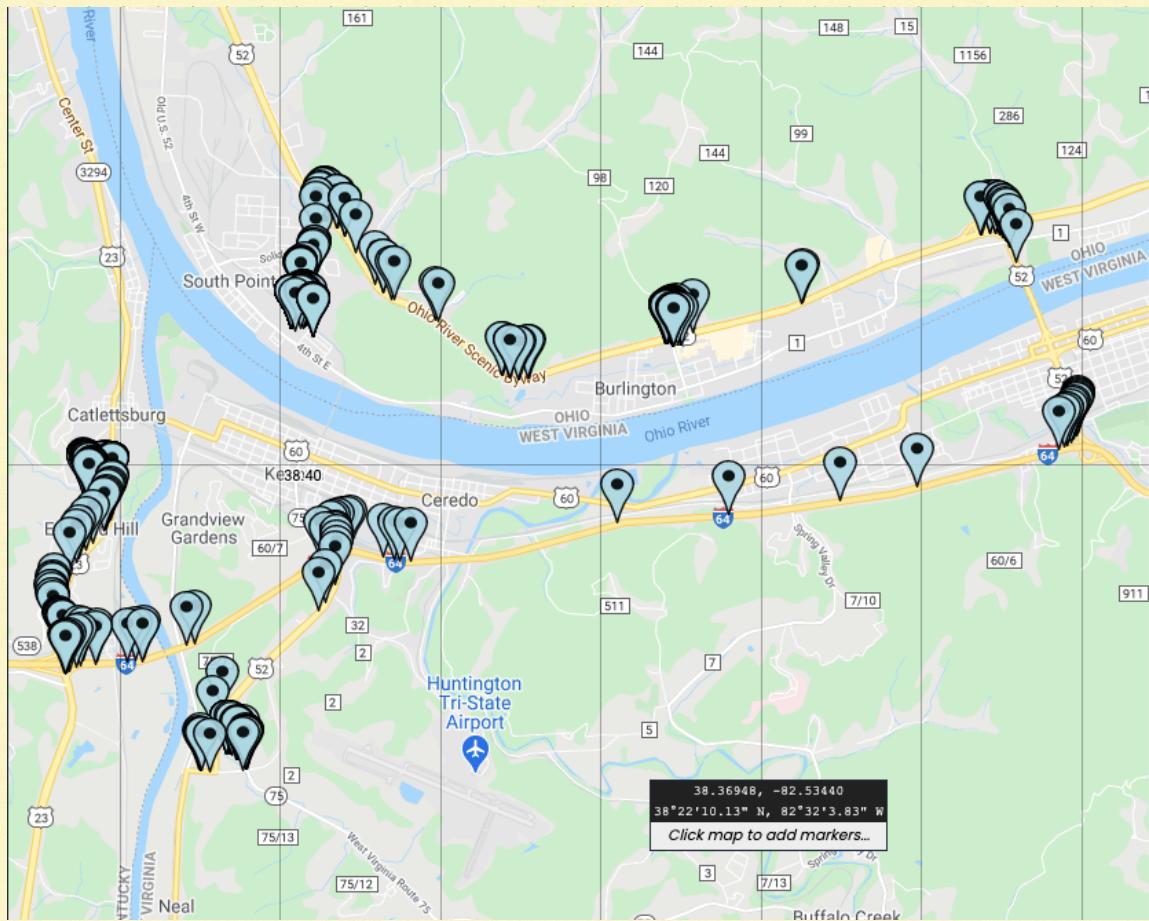
CREATE DATABASE → SET PARAMETERS

STEP 3

CREATE PHP FILE





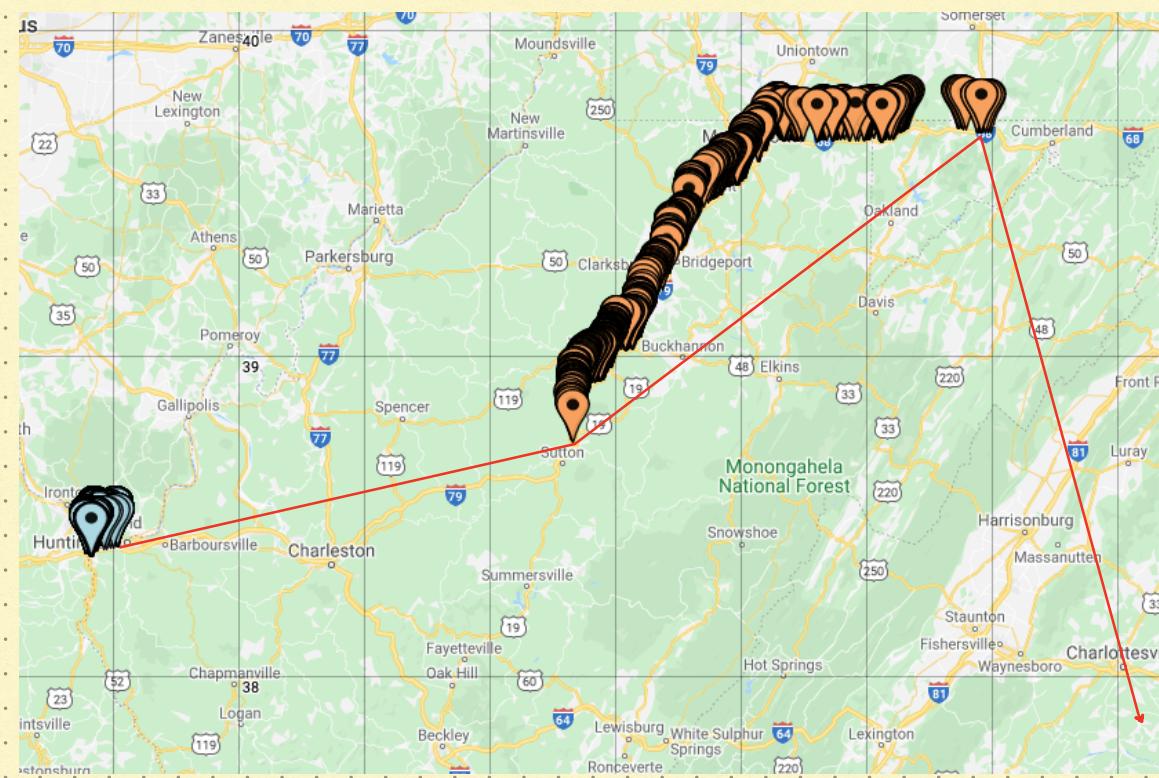


LOCAL ROUTE

→ ASSUMPTIONS → LOCAL ROUTE consists of
PICK UP / Delivery POINTS.

→ LOT OF BACK & FORTH DATA COLLECTION

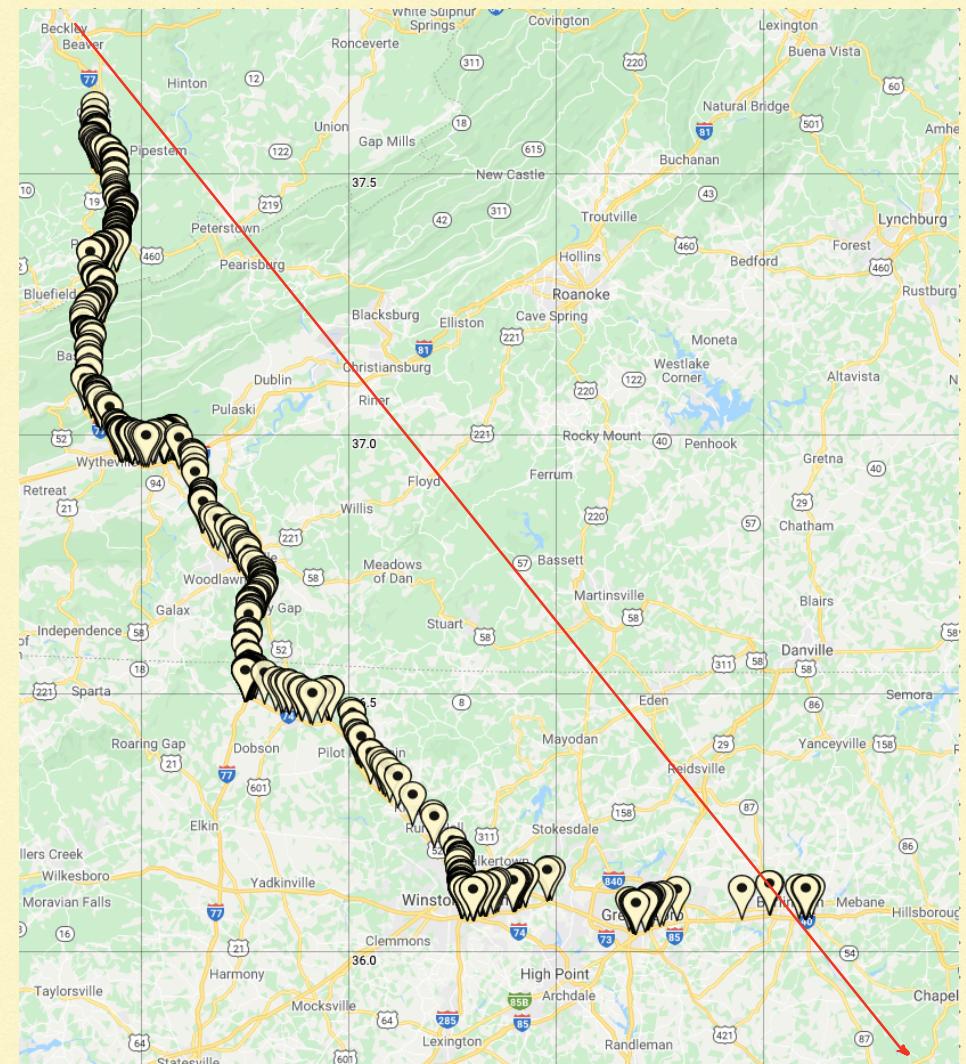
THOUGHTS? REGIONAL - PRODUCT Pickup
Before EXTENDED
route delivery



Extended Route

ABOVE PLOT CONTAINS A FEW POINTS THAT outline THE PATH A TRUCK TOOK TO ITS DELIVERY DESTINATION.

Extended Travel Route



Extended Route 2 → In this route the truck appears to be making a delivery to a location in North Carolina.

IMPORTANT

* IN ORDER TO CALCULATE THE DISTANCE *
TRAVELED IN EACH STATE — STATE
BOUNDRARIES MUST BE CREATED

